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CENTRAL INTELLIGENCE AGENCY

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REPORT

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THIS IS UNEVALUATED INFORMATION

- The grinding wheel plant (Februsha Taucz Sciennych, Fezedaiebioratus) Pantiwowe Myodrebnione) located at Grodziak kerowischi, (R53/P77) covers an ages of approximately 200 by 200 meters. It is located at 22 ul. I Daja. 50 meters southeast of the Bersaw-Frague railroad. The plant, which has an elministrative staif of about fifteen people, was founded before World car (by a German named Raeberle; it was nationalized after the end of World War II. Expansion of the plant was begun at the beginning of 1954 and should be completed by the middle of 1954.
- 2. The Pollowing is a list of the factory buildings:
 - a. Administration building and laboratory a two-story concrete structure about 60 by 40 meters. The laboratory, with a staff of about six persons, is on the ground floor, together with several offices. The minusping members of the administrative staff are located on the upper floor of the building. .
 - Payroll office building a two-story worn concrete atructure about 15 by 15 meters in area - which formenly housed the plant adulnistration. The Payroll Office is located temporarily on the ground floor.
 - 1) The so-called "old hall", complex of several factory buildings a concrete building about 80 by 60 by 8 meters in size which houses three production halls and one empty hall used as a passageway and equipped with only a ventilator. The three halls provide accommodations for a) Utilities Administration, with a staff of four or five people; b) Locksmith shop and joinary, with a staff of about seven locksmiths and three lathe operators. (Repairs are conducted here and steel wheels are turned. The lauter are used to grind grinding wheels before they are heated.) c) Presses and joinsty for grinding whoels, with a staff of about 20 parsons.
 - 2) The so-called "new hall", still under construction; a concrete two-story building about 80 by 60 by 15 to 20 meters in size.

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Construction was expected to take about three months, and production was to start in about six months.

- The old kiln hall, also a concrete structure, about 50 by 12 by 10 meters in size. About 20 men work here. Several of them supervise the kilns; the others fill and empty the kilns.
- 4) The generator house, also built of concrete, about 8 by 12 by 9 meters in size.
- 5) An obsolete production hall, a 70 by 60 by 8 meter concrete building subdivided into several sections. It is used to store old equipment and trash and is in poor condition.
- 6) The boiler house, a small concrete structure which supplies steam heat to the plant.
- d. Joiners' workshop and shipping office a wooden structure, about 8 by 5 by 3 meters, at the railroad siding. Here boxes are joined and finished products crated and loaded on railroad cars.
- e. Storehouse a wooden structure, about 25 by 10 by 4 meters. Fire-bricks, spare parts and "Blektrokerunt" (Al₂O₃) are stored here. There is a staff of about four persons as well as six laborers who do general work in the yard.

3. Factory equipment is as follows:

- a. Bight round kilns in the old kiln hall, all 15 to 20 years old and of German manufacture. The grinding wheels turned out by the plant vary in size and weight, from wheels five centimeters in diameter weighing about 50 kilograms. Each of the eight round kilns is capable of turning out up to five metric tons of grinding wheels per operation; an operation takes about six days. The kilns consume about two metric tons of upper-Silesian mineral coal during each operation. Operations are scheduled so that the production process is completed in each kiln on a different day; that is, on each of eight consecutive days the operation is completed in one of the kilns.
- b. One tunnel kiln under construction, which is not expected to go into operation before April 1954. This kiln normally will produce about three metric tens per day. The kiln, which is gas-heated, is being set up in the "new hall". About 20 people are working on it. It has eleven motors.
- c. Two turning grate gas generators being set up to supply gas to the tunnel kiln. These will be situated in the generator house. One is being set up by four installation specialists and three laborers. The other will be constructed later on a concrete foundation which has already been laid. One such generator is adequate to supply the tunnel kiln with gas. The other is to be held in recerve and used later when the plant is further expanded. Both generators are powered by electric corrent.
- d. About six hydraulic presses used to compress the "Elektrokorunt", located in the presses and joinery hall.
- 2. About six special turning lathes, somewhat superannuated, and about 12 new special turning lathes delivered recently by the M nninghausen Company of Lucdenscheidt, North-Rhine-Westphalia. These lathes, which are used to give final shape to the grinding wheels before they are heated, are located in the presses and joinery hall.

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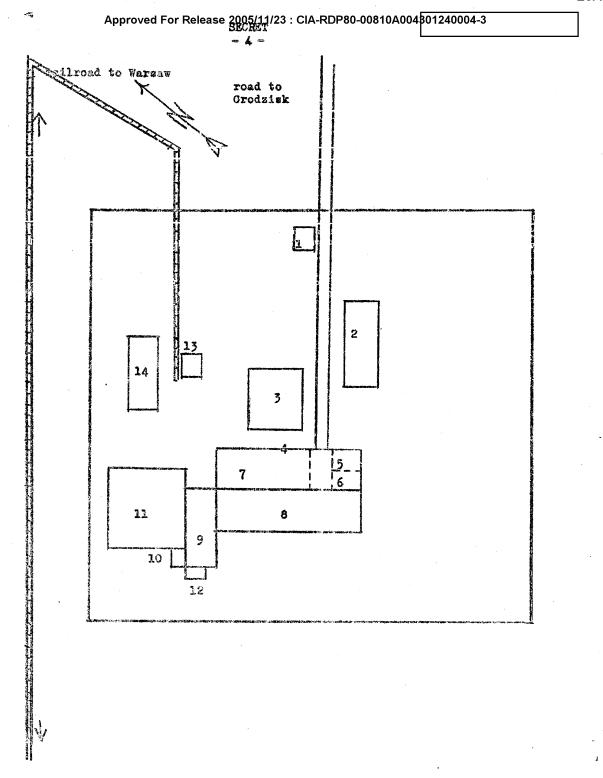
- 4. The plant produces only grinding wheels, at a rate of no more than five netric tons per day. Possibly output could be doubled after the tunnel kiln is completed. Nevertheless, the plant has fulfilled its production plan. Reportedly the grinding wheels produced are being used to grind artillery pieces, rifle muzzles, and machine parts.
- 5. About two metric tons of upper Silecian mineral coal is used daily to heat the round kilns and the boiler. About one freight car of coal was unloaded each day at the plant. The "Elektrokorunt" (Al₂O₃) used by the plant consists of China clay smelted electrically at high temperatures and then pulverized. It can be smelted only by electric current. About 50 metric tons of "Elektrokorunt" is always on hand. It ensives at the plant by rail. The eleven motors of the tunnel kiln use 14.5 to 15 kV. The gas generators require a total of 2.6 kV. Electricity is also used to drive the turning lathe motors, the hydraulic press pumps and the presses. The necessary electric current is probably obtained from the Pruszkow power plant.
- 6. The single-track reflroad siding, about 300 meters long, links the plant with the Prague-Marsaw reilroad. There is no ramp. Crates containing the frincing wheels are loaded onto freight cars at intervals, but no more than three freight cars are loaded at one time. The factory itself uses two electric cars to transport materials. One broke down recently and is being regaired.

| 25X1 7。 | there are approximately 100 |
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| | employees. The factory operates on one shift, a 46-hour week, with no |
| | work on Sundays (except by necessary gangs) and no overtime (except for |
| | urgent repairs). Corking hours are from 7 a.m. to 3 p.m. on weekdays, |
| | and from 7 a.m. to 1 p.m. on Saturdays. About 80 more people are |
| | employed by a state-owned construction enterprise which is building the ne |
| 25X1 | hall mentioned earlier. the factory area and the |
| | plant equipment are poorly tended. Morale is low, little interest is show |
| | in good performance, and dirt is abundant. Sanitary conditions in the |
| | factory are chockingly primitive and unhygienic. |
| | |

- 8. Uniformed industrial guards armed with rifles guard the factory area, which is fonced partly with wood and partly with barbed wire. At least six of these guards are on duty curing the day. They corutinize closely all persons entering the factory area, and outsiders entering the plant must be accompanied to the administration building by the gatekeeper.
- 9. The attachment shows the lay-out of the plant.

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Legend to map on page 4:

Lay-Out sketch Symbol

| Symbol Symbol | |
|--|---|
| 1 | Receptionist's office at main gate |
| 2 | Administration building |
| 3 | Pay Account Office building |
| 4 | Old (original) production hall |
| 5 | Location of Utilities Administration |
| 6 | Location of locksmithy and joinery |
| 7 | Location of presses and special joinery |
| 8 | New production hell |
| 9 | Old (original) kiln hall |
| 10 | Generator house |
| 11 | Obsolete production hall |
| 12 | Builer house |
| 13 | Joiner's workshop and Shipping and Crating Shop |
| 14 | Storage |
| Administration of the Conference of the Conferen | Road |
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| Moneyer delayer that the detect and Aut 2000 of Color for the special projects a | Fence |
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Limits of #5, 6 and 7 within #4